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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/052,107	01/17/2002	Robin E. O'Brien	540-320	6168
7	590 06/19/2003			
NIXON & VANDERHYE P.C.			EXAMINER	
8th Floor 1100 North Glebe Road			GREGORY, BERNARR E	
Arlington, VA 22201-4714			ART UNIT	PAPER NUMBER
			3662	
×		•	DATE MAILED: 06/19/2003	Of

Please find below and/or attached an Office communication concerning this application or proceeding.

		Classical					
			111				
	Application No. 10/052,107 Cyprication No. O'BRIEN, ROEN, E. Examiner Art Unit Bernarr E. Gregory 3662		1714				
			ر المجارة				
Office Action Summary	Examiner	Art Unit	AGC.				
	Bernarr E. Gregory	3662	KNCY				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY	Y IS SET TO EXPIRE 6 MOI	NTH(S) FROM					
 THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.1: after SIX (6) MONTHS from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a reply. If NO period for reply is specified above, the maximum statutory period v. Failure to reply within the set or extended period for reply will, by statute. Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). 	36(a). In no event, however, may a reply within the statutory minimum of thirty (vill apply and will expire SIX (6) MONTH, cause the application to become ABAN	y be timely filed 30) days will be considered time IS from the mailing date of this of IDONED (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on	_·						
2a)☐ This action is FINAL . 2b)☒ Th	is action is non-final.						
3) Since this application is in condition for allowa			he merits is				
closed in accordance with the practice under Disposition of Claims	Ex parte Quayle, 1935 C.D.	11, 453 O.G. 213.					
4)⊠ Claim(s) <u>1-6 and 8</u> is/are pending in the application.							
4a) Of the above claim(s) is/are withdraw	wn from consideration.		:				
5) Claim(s) is/are allowed.	DECL	-ci Accier-					
6)⊠ Claim(s) <u>1-6 and 8</u> is/are rejected.	TELEPHONE OF THE PARTY OF THE P	ACCIEIED BY ORIGI	NATING ACEUM				
7) Claim(s) is/are objected to.	r election requirement	ALING AGENCY					
8) Claim(s) are subject to restriction and/or election requirement							
Application Papers		G G G G G G G G G G G G G G G G G G G	Ĭ				
9)☐ The specification is objected to by the Examine	. 1130	Branch TVI	. · · · · · · · · · · · · · · · · · · ·				
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
11)☐ The proposed drawing correction filed on is: a)☐ approved b)☐ disapproved by the Examiner.							
If approved, corrected drawings are required in reply to this Office action.							
12) The oath or declaration is objected to by the Examiner.							
Priority under 35 U.S.C. §§ 119 and 120							
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).							
a)⊠ All b)□ Some * c)□ None of:							
1. Certified copies of the priority documents have been received.							
2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bu * See the attached detailed Office action for a list	reau (PCT Rule 17.2(a)).		•				
14) ☐ Acknowledgment is made of a claim for domestic	c priority under 35 U.S.C. §	119(e) (to a provisiona	al application).				
a) The translation of the foreign language provisional application has been received.							
15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.							
Attachment(s)							
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s) 3) Notice of Professorable Retent Proving Revision (PTO 452)							
1) Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Registration (PTO-948) Notice of Draftsperson's Patent Drawing Registration (PTO-152) Notice of Information Disclosure Statement(s) (PTG-1449) Paper No(s) 7. Select of Tables at Tabl							
3) Information Disclosure Statement(s) (R765 449) Paper No(s) Z	· —						
1.5. Patent and Trademark Office JECLASSIAND BY ORIGINATING AMENICAL STATES OF THE PROPERTY OF	Ition Summary	Part of Paper No. 9	}				



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1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371© of this title before the invention thereof by the applicant for patent.

Claims 1-6 and 8 are rejected under 35 U.S.C. 102(b) as being anticipated by Pizzi ('380).

See reasons in U.K. Search Report of 25 October 2002.

2. Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Fang et al (`109) or Bentall et al or Ayanoglu or Pasternak et al or Hirata (`989) or Toyoda et al (`129) or Aikawa (`600) or Law et al (`267).

See Reasons in U.K. Search Report.

- 3. Claim is rejected under 35 U.S.C. 102(e) as being anticipated by Fang et al (`715).

 This applied reference is the U.S. Equivalent of Fang et al (`109) applied in section 2 above.
- 4. Claims 1-6 and 8 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

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In claims 1 and 2, the uses of the word hardening are unclear in context. See 37 C.F.R. 1.75 (d) (1).

Dependent claims 2-6 and 8 are unclear in that they depend from unclear independent claim 1.

5. Any inquiry concerning this communication should be directed to Bernarr Gregory at telephone number (703) 306-5765. (non- secure line)

gregory/jcs 06-17-03

THOMAS H. TARCZA SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 3600

for Bernan Gragory